



App No.: 10/678,718

Expr Mail #: EV 956471420 US

Docket No.: MWS-031

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Title: DESIGN AND EXECUTION OF A TARGET SYSTEM THAT INCLUDES

A COMPONENT MODEL

REPLACEMENT SHEET

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Block Parameters: Dryden Wind Turbulence Model (Continu...) X

Wind Turbulence Model (mask) _____

Generate atmospheric turbulence. White noise is passed through a filter to give the turbulence the specified velocity spectra.

Medium/high altitude scale lengths from the specifications are 762m (2500 ft.) for Von Karman turbulence and 533.4 m (1700 ft.) for Dryden turbulence.

Parameters _____

Units:

Specification:

Model type:

Wind speed

Wind direction

Probability

Scale length at medium/high altitudes (m):

Wingspan (m)

Band-limited noise sample time (seconds)

Noise seeds [ug vg wg pg]:

☒ Turbulence on

OK Cancel Help Apply

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Fig. 4B